

C AND PRIMER GRADES

Colors Represent Mass Tone and Tint Tone (Reduction with TiO₂ 1:4)



C GRADE

IRON OXIDE RED

	RC11	RC13	RC13-4	RC14	RC16	RC18
MASS TONE						
TINT TONE						

IRON OXIDE YELLOW

	YC22B	YC23B	YC23
MASS TONE			
TINT TONE			

IRON OXIDE ORANGE

	OC66
MASS TONE	
TINT TONE	

IRON OXIDE BROWN

	BRC86	BRC88
MASS TONE		
TINT TONE		

PRIMER GRADE

IRON OXIDE RED

	PR112	PR222	PR225	PR180	PR801	PR802
MASS TONE						
TINT TONE						

Typical Physical Properties (C and Primer Grades)

Product Code	Pigment Index	Chemical Composition	Purity, % (as Fe ₂ O ₃)	Oil Absorption (g/100g)	Density (g/cm ³)	Sieve Residue on 325 mesh (%)	Water Soluble Salts (%)	pH	Moisture (%)	Hegman	Particle Shape	DE	Tinting Strength (%)
Test Method			BS1014	ISO 787-5	ISO 787-10	ISO 787-7	ISO 787-3	ISO 787-9	ISO 787-2	ASTM D1210	Electron Micrograph	ISO7724-2	ISO 8781-1

C GRADE

IRON OXIDE RED

RC11	PR 101	Fe ₂ O ₃	95+	15-25	5.0	≤0.25	≤0.3	5-8	≤1	---	Spherical	≤1	95-105
RC13	PR 101	Fe ₂ O ₃	95+	15-25	5.0	≤0.25	≤0.3	5-8	≤1	---	Spherical	≤1	95-105
RC13-4	PR 101	Fe ₂ O ₃	95+	15-25	5.0	≤0.25	≤0.3	5-8	≤1	---	Spherical	≤1	95-105
RC14	PR 101	Fe ₂ O ₃	95+	15-25	5.0	≤0.25	≤0.3	5-8	≤1	---	Spherical	≤1	95-105
RC16	PR 101	Fe ₂ O ₃	95+	15-25	5.0	≤0.25	≤0.3	5-8	≤1	---	Spherical	≤1	95-105
RC18	PR 101	Fe ₂ O ₃	95+	15-25	5.0	≤0.25	≤0.3	5-8	≤1	---	Spherical	≤1	95-105

IRON OXIDE YELLOW

YC22B	PY 42	Fe ₂ O ₃ •H ₂ O	86+	28-40	5.0	≤0.25	≤0.3	5-8	≤1	---	Acicular	≤1	95-105
YC23B	PY 42	Fe ₂ O ₃ •H ₂ O	86+	28-40	5.0	≤0.25	≤0.3	5-8	≤1	---	Acicular	≤1	95-105
YC23	PY 42	Fe ₂ O ₃ •H ₂ O	86+	28-40	5.0	≤0.25	≤0.3	5-8	≤1	---	Acicular	≤1	95-105

IRON OXIDE ORANGE

OC66	Mixture	Mixture	86+	20-35	4.1-4.9	≤0.25	≤0.5	5-8	≤1	---	Irregular	≤1	95-105
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IRON OXIDE BROWN

BRC86	Mixture	Mixture	88+	20-35	4.1-4.9	≤0.25	≤0.5	5-8	≤1	---	Irregular	≤1	95-105
BRC88	Mixture	Mixture	88+	20-35	4.1-4.9	≤0.25	≤0.5	5-8	≤1	---	Irregular	≤1	95-105

PRIMER GRADE

IRON OXIDE RED

PR112	PR 101	Fe ₂ O ₃	70+	15-25	5.0	≤0.01	≤0.6	5-8	≤1	6.0+	Spherical	≤1	95-105
PR222	PR 101	Fe ₂ O ₃	70+	15-25	5.0	≤0.1	≤0.6	5-8	≤1	3.0+	Spherical	≤1	95-105
PR225	PR 101	Fe ₂ O ₃	60+	15-25	5.0	≤0.1	≤0.6	5-8	≤1	3.0+	Spherical	≤1	95-105
PR180	PR 101	Fe ₂ O ₃	95+	15-25	5.0	≤0.25	≤0.4	4-8	≤1	---	Spherical	≤1	95-105
PR801	PR 101	Fe ₂ O ₃	70+	15-25	5.0	≤0.1	≤0.6	5-8	≤1	6.0+	Spherical	≤2.5	90-100
PR802	PR 101	Fe ₂ O ₃	70+	15-25	5.0	≤0.1	≤0.6	5-8	≤1	6.0+	Spherical	≤2.5	90-100

The color chips represented here are as accurate as the printing process will allow, it may be slightly different from actual shades. This is for your reference ONLY. Please pay attention to the samples we send to you.